

Groovy Script - simplified views of fields

How to create a read-only "summary" version of a field, for display in space-constrained places like gadgets or search results.

Over-large fields

Some fields contain a lot of info. For instance, a Checklist for JIRA field (from our [Checkboxes Plugin comparison](#)):

Milestones:

☒ 3/6

[Hide checked](#)

☒ Overview Doc Written

☒ High Level User Stories Written ^{*}

☒ UX Design Developed ^{*}

☐ Eng Tech Spec Written ^{*}

☐ Eng t-shirt Size & Quarter Commit ^{*}

☐ All Sprints Scheduled ^{*}

When displayed as a filter column it looks passable:

T	Key ↑	Summary	Milestones
	PRJ-7	First Project	☒ Overview Doc Written ☒ High Level User Stories Written ☒ UX Design Developed ☐ Eng Tech Spec Written ☐ Eng t-shirt Size & Quarter Commit ☐ All Sprints Scheduled

but within the Structure plugin's table it breaks completely:

TestProj Structure

▼

Search

	Key	Milestones
	PRJ-9	Overview Doc Written
	PRJ-7	Overview Doc Written
	PRJ-8	Overview Doc Written

Creating a summary field

What we want is a summarized view of a field, suitable for viewing in space-constrained places such as our Structure table, or a dashboard portlet.

The Script Runner plugin is excellent for this sort of thing. We define a new custom field, **Milestone Status**, of type Scripted Field:

Milestone Status	Scripted Field	Issue type(s): Global (all issues)	• TESTPROJ: Scrum Default Issue Screen	⚙️
Milestones	Checklist	Issue type(s):	• TESTPROJ: Scrum	⚙️

Our new **Milestone Status** summary field will look like this:

Milestone Status: ☒ Doc ☒ Stories ☒ UX ☐ Tech Spec ☐ T-Shirt ☐ Sprints Scheduled

It is intended to display well in Structure table rows:

TestProj Structure						
Key	Milestone Status					
PRJ-9	☐ Doc	☐ Stories	☐ UX	☐ Tech Spec	☐ T-Shirt	☐ Sprints Scheduled
PRJ-7	☒ Doc	☒ Stories	☒ UX	☐ Tech Spec	☐ T-Shirt	☐ Sprints Scheduled
PRJ-8	☒ Doc	☐ Stories	☐ UX	☐ Tech Spec	☐ T-Shirt	☐ Sprints Scheduled

The **Milestone Status** custom field's output is defined by the following Groovy code:

```
import com.atlassian.jira.component.ComponentAccessor
import org.apache.commons.lang.StringEscapeUtils

def shortname(name) {
    switch (name) {
        case ~/Overview.*/: "Doc"; break
        case ~/.User Stories.*/: "Stories"; break
        case ~/UX.*/: "UX"; break
        case ~/.Tech Spec.*/: "Tech Spec"; break
        case ~/.shirt.*/: "T-Shirt"; break
        case ~/.prints.*/: "Sprints Scheduled"; break
        default: name;
    }
}

cf = ComponentAccessor.customFieldManager.getCustomFieldObject(13803)
return issue.getCustomFieldValue(cf).collect { i->
    "<span style='color: " + (i.checked ? "red" : "grey") + "' " +
        "title='" +
            StringEscapeUtils.escapeHtml(i.name) + "'>" +
            (i.checked ? "" : "") + " " +
            StringEscapeUtils.escapeHtml(shortname(i.name)) +
        "</span>" ;
}.join("")
```